

US Serial No. 10/748,660
Reply to Office Action of August 9, 2005
Page 2 of 12

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Cancelled)

Claim 2 (Cancelled)

Claim 3 (Cancelled)

Claim 4 (Cancelled)

Claim 5 (Cancelled)

Claim 6 (Cancelled)

Claim 7 (Cancelled)

Claim 8 (Original) A rear lamp assembly for an automotive vehicle comprising:

a first array of LEDs which emit red light to provide both a tail light and a brake light;
a second array of LEDs which emit amber or red light to provide a turn signal;
a bezel for surrounding the LEDs, the bezel being substantially black in color to absorb
incoming light from exterior sources and having a gloss finish to reflect light from the LEDs;
a housing mounting the bezel, and
a lens positioned over the bezel and arrays of LEDs.

Claim 9 (Original) The rear lamp assembly of claim 8 further comprising a passive reflective
surface facing rearwardly and sidewardly with respect to the vehicle.

Claim 10 (Original) The rear lamp assembly of claim 9 wherein the first and second arrays
extend vertically on the bezel.

Claim 11 (Original) The rear lamp assembly of claim 9 wherein the first and second arrays are
separate and extend vertically in adjacent columns on the bezel.

US Serial No. 10/748,660
Reply to Office Action of August 9, 2005
Page 3 of 12

Claim 12 (Original) The rear lamp assembly of claim 11 wherein the first array is outboard of the second array.

Claim 13 (Original) The rear lamp assembly of claim 12 wherein the reflective surface is positioned beneath the first and second arrays of LEDs.

Claim 14 (Original) The rear lamp assembly of claim 8 wherein the LEDs of the first array are connected to a power supply which is connected with both a road light control system and a brake system in the vehicle, the power supply having a first mode of a reduced duty cycle for illuminating the LEDs of the first array only as tail lights and having a second mode activated by braking system for delivering current at a higher percentage of the duty cycle to the LEDs of the first array illuminating the LEDs of the first array more brightly to provide brake lights.

Claim 15 (Original) The rear lamp assembly of claim 14 further including a connection from the power supply to the second array of LEDs which emit amber or red light, the power supply providing current at a higher percentage of the duty cycle to contrast with the first array.

Claim 16 (Original) The rear lamp assembly of claim 15 further including a third array of LEDs positioned at a side location of the lamp to provide a rear side marker light.

Claim 17 (Original) The rear lamp assembly of claim 16 wherein the third array of LEDs is energized by unmodified vehicle voltage.

Claim 18 (Original) The rear lamp assembly of claim 17 further including sidewardly facing and rearwardly facing reflectors on the bezel.

Claim 19 (Original) The rear lamp assembly of claim 8 further including a third array of LEDs positioned at a side location of the lamp to provide a rear side marker light.

US Serial No. 10/748,660
Reply to Office Action of August 9, 2005
Page 4 of 12

Claim 20 (Cancelled)

Claim 21 (Cancelled)

Claim 22 (Cancelled)

Claim 23 (Currently Amended) An arrangement of rear signal lamps on an automotive vehicle, comprising:

a pair of rear lamps disposed on opposite sides of the automotive vehicle, each rear lamp having a first and second arrays of LEDs, the first array of LEDs which emit red light to provide both a tail light and to provide a brake light, and a the second array of LEDs which emit emitting amber or red light to provide a turn signal;

a bezel within the lamp positioned adjacent to the LEDs, the bezel being dark in color to absorb incoming light from exterior sources and having a gloss finish to reflect light from the LEDs;

housings mounting the bezels of each rear lamp on the vehicle;

lenses positioned over each bezel and the array of LEDs of each rear lamp;

a center stop lamp positioned above the pair of rear lamps, the center stop lamp comprising an additional array of LEDs that emit red light, a bezel positioned adjacent to the LEDs of the additional array, the bezel being dark in color to absorb incoming light from exterior sources and having a gloss finish to reflect light from the LEDs of the additional array;

a housing mounting the bezel of the center stop lamp on the vehicle at a location above and between the pair of rear lamps, and

a lens positioned over the housing and additional array of LEDs of the center stop lamp.

Claim 24 (Original) The arrangement of claim 22 wherein the first and second arrays of LEDs in the pair of rear lamps are vertically extending arrays and wherein the additional array of LEDs in the center stop lamp is a horizontally extending array.

Claim 25 (Original) The arrangement of claim 24 wherein the rear lamps each include passive light reflector surfaces facing rearwardly and sidewardly with respect to the vehicle.

US Serial No. 10/748,660
Reply to Office Action of August 9, 2005
Page 5 of 12

Claim 26 (Original) The arrangement of claim 24 wherein the rear lamps each include at least one sidewardly facing LED positioned in a sidewardly facing portion of the bezel.

Claim 27 (Original) The arrangement of claim 26 wherein the sidewardly facing LED in each rear lamp is a part of a third array including at least one other sidewardly facing LED.

Claim 28 (Original) The arrangement of claim 27 further comprising a power supply system connected with both a road light control system and a brake system in the vehicle, the power supply having a first mode of a reduced duty cycle for illuminating the LEDs of the first array only as tail lights, and having a second mode activated by the braking system and turn signal system for delivering current at a higher percentage of the duty cycle to the LEDs of the first and second arrays for illuminating the LEDs of the first array more brightly to provide brake lights and for illuminating the LEDs of the second array for providing turn signal lights;

the LEDs of the additional array in the center stop lamp being connected directly to vehicle current for illuminating the additional array at a level similar to that of the first array in the second mode; and

the third array of LEDs being connected directly to vehicle current unmodified by the power supply.

Claim 29 (Original) The arrangement of claim 23 further comprising a power supply system connected with both a road light control system and a brake system in the vehicle, the power supply having a first mode of a reduced duty cycle for illuminating the LEDs of the first array only as tail lights and having a second mode activated by the braking system and turn signal system for delivering current at a higher percentage of the duty cycle to the LEDs of the first and second arrays for illuminating the LEDs of the first array more brightly to provide brake lights and for illuminating the LEDs of the second array more brightly to contrast with the first array when the first array is in the first mode, and

US Serial No. 10/748,660
Reply to Office Action of August 9, 2005
Page 6 of 12

the LEDs of the third array and the additional array being connected to vehicle current to illuminate the LEDs of the third and additional array at a level similar to that of the first array when the first array is in the second mode.